

Stono/North Edisto Rivers

SUMMARY

Monitoring of the Stono/North Edisto Rivers has not revealed significant changes since 1999. Chlorophyll-a and dissolved oxygen have symptom expressions of moderate, while occurrence of nuisance/toxic blooms is low. SAV and macroalgae do not occur in this estuary.

Influencing Factors

Nutrient load is unknown and influencing factors cannot be calculated.



Eutrophic Conditions **

Level of expression of eutrophic conditions is substantial.



Future Outlook

Nutrient related symptoms observed in the estuary are likely to substantially worsen.



ASSETS Rating

Assessment of Estuarine Trophic Status based on the three factors evaluated in NEEA.



Influence/eutro/future

Unknown

Low

Mod Low

Moderate

Mod High

High

Reliability and Confidence

ASSETS

Unknown

High

Good

Moderate

Poor

Bad

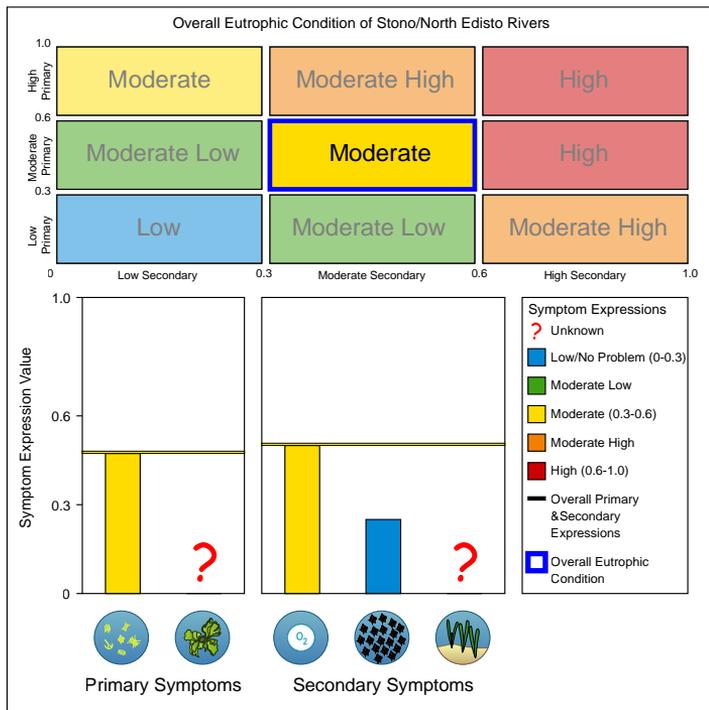
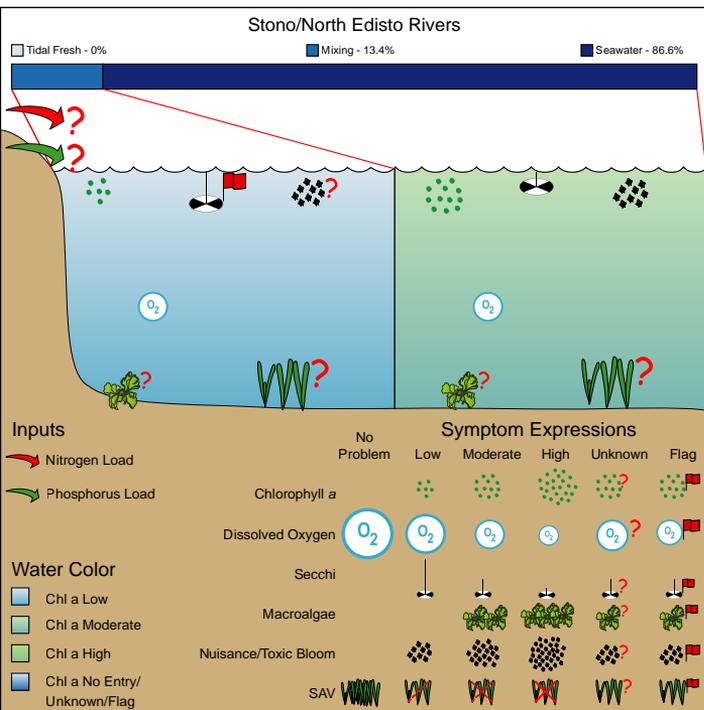
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High

EUTROPHIC CONDITION



WATERSHED AND ESTUARY CHARACTERISTICS

Estuary	Landuse / Population			Watershed Details / Input Loads	
Area (km ²)	69	Urban (km ²)	119 (10.4%)	Area (km ²)	1,171
Tidal fresh zone area (km ²)	0	Agriculture (km ²)	228 (19.9%)	Mean elevation (m)	4
Mixing zone area (km ²)	9	Forest (km ²)	342 (29.9%)	Max. elevation (m)	9
Saltwater zone area (km ²)	60	Wetland (km ²)	453 (39.6%)	Watershed: estuary ratio	17.0
Volume (1,000 x m ³)	431,940	Range (km ²)	3 (0.2%)	TSS (tonne y ⁻¹)	16,500
Depth (m)	6.26	Barren (km ²)	0 (0%)	TN (kg y ⁻¹)	Unknown
Tide Height (m)	1.84	Total (km ²)	1,145 (0%)	TP (kg y ⁻¹)	Unknown
Residence Time (d)	6	Population	47,552	TSS/est. area (tonne km ⁻² y ⁻¹)	239
		Popn: est. area ratio	689	TN/est. area (kg km ⁻² y ⁻¹)	Unknown
				TP/est. area (kg km ⁻² y ⁻¹)	Unknown